

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
2 December 2004 (02.12.2004)

PCT

(10) International Publication Number  
WO 2004/105209 A1

(51) International Patent Classification<sup>7</sup>: H02J 7/00

(21) International Application Number:  
PCT/SE2004/000657

(22) International Filing Date: 29 April 2004 (29.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0301507-0 22 May 2003 (22.05.2003) SE

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

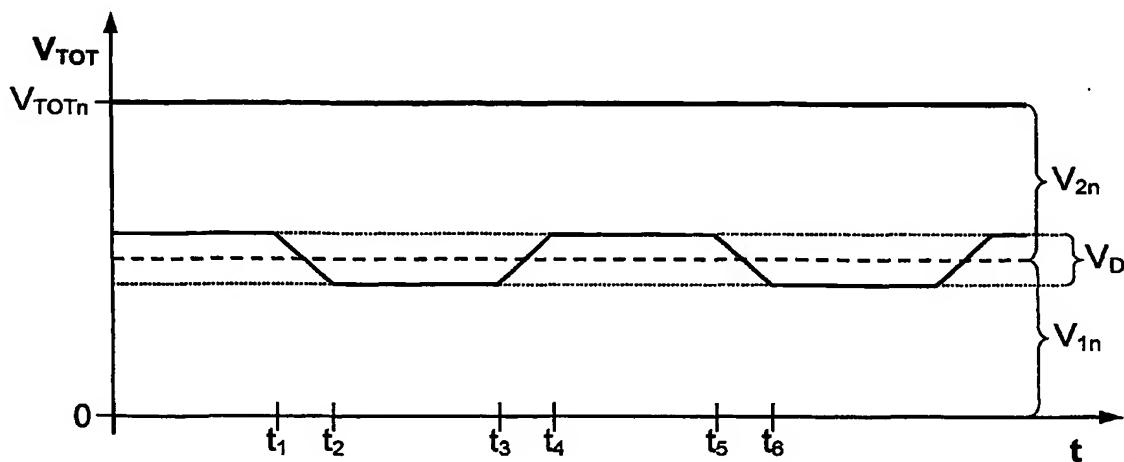
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ENERGY STORAGE



WO 2004/105209 A1

(57) Abstract: The present invention relates to storage of electrical energy in a number of electrical storage modules, which are connected in series to one another. A DC-system voltage ( $V_{TOT}$ ) is received and DC-to-DC converted into one voltage fraction ( $V_1, V_2$ ) per electrical storage module. The respective voltage fractions ( $V_1, V_2$ ) are delivered to each module and varied over time ( $t$ ) within an interval ( $V_D$ ) around a respective nominal module voltage ( $V_{1n}, V_{2n}$ ). Thereby, the charging voltage is temporarily increased to a level which is sufficiently high to obtain an improved load capacity for each module. At the same time, the overall voltage over the electrical storage modules may be held at a harmless level with respect to any units that are included in the relevant electric circuitry.